

FULLY INTEGRATED ALL-CMOS AM TRANSMITTER
WITH AUTOMATIC ANTENNA TUNING

Joseph S. Elder

Mohammed D. Islam

Joseph T. Yestrebsky

5

Abstract of the Disclosure

10 A monolithic AM transmitter is disclosed. An
external antenna forms part of a resonance network so
that the antenna resonance point is automatically tuned
to the transmit frequency. This provides flexibility
with no added cost to the transmitter. Additionally,
15 components of the transmitter can be formed on a single
monolithic integrated circuit.